

Lethbridge Number Theory and Combinatorics Seminar

Monday — January 19, 2015

Room: W565

Time: 12:00 to 12:50 p.m.

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A subconvexity bound for modular L -functions

Abstract: Let $L(s)$ be the L -function associated to a modular form of weight k for the full modular group. Using spectral theory, Anton Good proved that $L(k/2+it) \ll t^{1/6}(\log t)^{5/6}$. Matti Jutila discovered a simpler proof which makes use of the Voronoi summation formula, exponential integrals, and Farey fractions. We shall present Jutila's argument.

EVERYONE IS WELCOME!

Visit the seminar web page at <http://www.cs.uleth.ca/~nathanng/ntcoseminar/>



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